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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents,

Alexandria, VA 22313-1450, on 11 April 2006

Wendy Scott
(Typed or Printed Name of Person Mailing Paper or Fee)

(Signature of Person Mailing Paper or Fee)

Attorney Docket No.: SUN-P9330-MEG

## INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Inventor:

Marc Tremblay, et al.

Title:

SELECTIVELY UNMARKING LOAD-MARKED CACHE LINES DURING

TRANSACTIONAL PROGRAM EXECUTION

Filing Date:

23 January 2004

Serial Number:

10/764,412

Group Art Unit:

2186

Examiner:

Patel, Hetul B.

Listed below or on an attached Form PTO-1449 is information known to applicant(s) and submitted pursuant to 37 C.F.R. §1.56. A copy of each listed publication and U.S. and foreign patent, except for pending U.S. applications, is being submitted herewith, along with a concise explanation of information in a foreign language, if any, pursuant to 37 C.F.R. §1.97-1.98.

Applicants respectfully request that the listed information be considered by the Examiner and be made of record in the above-identified application. If form PTO-1449 is enclosed, the Examiner is requested to initial and return it in accordance with MPEP §609.

This statement is not intended to represent that a search has been made or that the information cited in the statement is, or is considered to be, material to patentability as defined in §1.56.

This statement qualifies under 37 C.F.R. §1.97, subsection (b) because (check all that apply):

- (1) It is being filed within 3 months of the application filing date
- -- OR --
- \_\_ (2) It is being filed within 3 months of entry of a national stage
- \_\_\_\_\_ (3) It is being filed before the mail date of the first Office Action on the merits.

_	filing d set fort merits,	37 C.F.R. §1.97(c). If this statement is being filed after the latest of: (1) three months beyond to filing date of a national application; (2) three months beyond the date of entry of the national stage set forth in §1.491 in an international application; or (3) the mailing date of a first Office action on the merits, but before the mailing date of the earlier of a final office action under §1.113 or a notice allowance under §1.311, then:	
	_	a certification as specified in §1.97(e) is provided below; or	
	· —	a fee of \$240.00 as set forth in 1.17(p) is authorized below, enclosed, or included with the payment of other papers filed together with this statement. Please note that a check in the amount of \$240.00 is enclosed in payment.	
_	37 C.F	C.F.R. $\S1.97(d)$ . If this statement is being filed after the mailing date of the earlier of a final officion under $\S1.113$ or a notice of allowance under $\S1.311$ , but before payment of the issue fee, then	
	A.	a certification as specified in §1.97(e) is completed below; and	
	B.	a petition under 37 C.F.R. §1.97(d) requesting consideration of this statement is submitted herewith; and	
	C.	a fee of \$130.00 as set forth in §1.17(i)(1) is authorized below, enclosed, or included with the payment of other papers filed together with this statement.	
<u>X</u>	This statement is being filed after the payment of the issue fee but before issuance of the patent.		
_	in the i in a co- inform stateme applica inquiry any inc	Statement under 37 C.F.R. 1.97(e) - I hereby certify that either: each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three months prior to the filing of the information disclosure statement; or no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign patent application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in section 1.56(c) more than three months prior to the filing of the information disclosure statement.	
	Signati	A. Richard Park (Reg. No. 41,241)  Date	

By: A. Richard Park

Reg. No. 41,241

Respectfully submitted,

PARK, VAUGHAN & FLEMING LLP 2820 Fifth Street Davis, CA 95616 Telephone (530) 759-1661 Facsimile (530) 759-1665

Date: 11 April 2006

SHEET 1 OF 4 APPLICATION NO. ATTY. DOCKET NO. SUN-P9330 10/764,412 INFORMATION DISCLOSURE APPLICANT **CITATION** Marc Tremblay, et al. PTO-1449 **GROUP ART UNIT** FILING DATE 23 January 2004 2186 U.S. PATENT DOCUMENTS FILING **EXAMINER'S** CLASS **SUBCLASS** PATENT NO. DATE DATE NAME **INITIALS** 6,460,124 10-2002 Kagi et al. 711 163 145 Boatright et a. 711 07-2002 2002/0087810 Kekre et al. 711 62 2004/0186970 09-2004 06-2003 Singhal et al. 707 8 6,578,088 707 8 08-1999 Hapner et al 5,940,827 FOREIGN PATENT DOCUMENTS Translation **EXAMINER'S** COUNTRY **CLASS SUBCLASS INITIALS** PATENT NO. DATE No Yes OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Publication entitled "Speculation-Based Techniques for Transactional Lock-Free Execution of Lock-Based Programs", by Ravi Rajwar, Online! 2002, XP002286237, Retrieved from the internet: URL:http://bbcr.uwaterloo.ca/{brecht/courses/856/readingsnew/rajwar02speculationsbased.pdf

Publication entitled "Multiple Reservations and the Oklahoma Update", by Janice M. Stone et al., IEEE Parallel & Distributed Technology, November 1993, Pages 58-71.

EXAMINER

DATE CONSIDERED

Symporuim on Microarchitecture, 2003, IEEE

Publication entitled "Checkpoint Processing and Recovery: Towards Scalable Large Instruction

Window Processors", by Haitham Akkary et al., Proceedings of the 36th International

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

## ATTY, DOCKET NO. APPLICATION NO. 10/764,412 SUN-P9330 INFORMATION DISCLOSURE **APPLICANT** CITATION Marc Tremblay, et al. PTO-1449 **GROUP ART UNIT** FILING DATE 2186 23 January 2004 akting palipan dilyet yilin di U.S. PATENT DOCUMENTS **FILING EXAMINER'S** PATENT NO. DATE NAME CLASS **SUBCLASS** DATE **INITIALS** 11-2002 712 235 2002/0178349 Shibayama et al. 711 203 01-2004 Gaskins, et al. 6,681,311 FOREIGN PATENT DOCUMENTS Translation **EXAMINER'S** PATENT NO. DATE **COUNTRY CLASS SUBCLASS INITIALS** Yes No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.). Publication entitled "Improving the Throughput of Synchronization by Insertion of Delays", by Ravi Rajwar et al. Proceedings of the Sixth International Symposuim on High-Performance Computer Architecture, 8-12 January 2000, Pages 168-179. Publication entitled "Checkpoint Processing and Recovery: An Efficient, Scalable Alternative to Reorder Buffers" Haitham Akkary et al. IEEE Computer Society, November-December 2003, Pages 11-19. Publication entitled "Multi-view Memory to Support OS Locking For Transaction Systems", P. Bodorik et al., IEEE, 1997, Pages 309-318. Publication entitled "Indexing for Multiversion Locking: Alternatives and Performance Evaluation", Paul M. Bober et al, IEEE Transactions on Knowledge and Data Engineering, Vol. 9, No1, January-February 1997, Pages 68-84. Publication entitled: "Transactional Execution: Toward Reliable, High-Performance Multithreading" by Ravi Rajwar et al. IEEE Computer Society, November-December 2003, Pages 117-125 Publication: "Speculative Lock Elision: Enabling Highly Concurrent Multithreaded Execution" by Ravi Rajwar and James R. Goodman, Computer Sciences Department, University of Wisconsin-Madison, Madison, WI 53706 USA, rajwar@cs.wisc.edu, XP-001075852, published in IEEE Journal 1-12-2001, Pgs. 294-305. **DATE CONSIDERED EXAMINER**

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## ATTY. DOCKET NO. APPLICATION NO. SUN-P9330CIP 10/764,412 INFORMATION DISCLOSURE APPLICANT CITATION Marc Tremblay, et al. PTO-1449 **GROUP ART UNIT** FILING DATE 23 January 2004 2186 U.S. PATENT DOCUMENTS FILING **EXAMINER'S** PATENT NO. DATE NAME CLASS **SUBCLASS** DATE **INITIALS** 09-2005 712 35 6,941,449 Ross FOREIGN PATENT DOCUMENTS Translation **EXAMINER'S CLASS** DATE COUNTRY **SUBCLASS INITIALS** PATENT NO. Yes No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) "Structured Computer Organization" by Andrew S. Tanenbaum, Published 1999, pages 5, 7-8 "The Transaction Concept: Virtues and Limitations" by Jim Gray. Pro. Int'l Conf. Very Large Databases, Morgan Kaufman, 1981. pages 144-154 "Toward Efficient and Robust Software Speculative Parallelization on Multiprocessors" by Marcelo Cintra and Diego R. Lianos, PPoPP' 03 June 11-13, 2003 ACM 1-58113-588-2/03/0006 pages 13-24. "Microsoft Computer Dictionary" Fifth Edition, pub 2002, page 378 Publication: "Specuculative Synchronization: Applying Thread-Level Speculation to Explicitly Parallel Applications" by Jose F. Martinez and Josep Torrellas, Dept. of Computer Science, University of Illinois at Urbana-Champaign, Urbana, IL 61801 USA, http://iacoma.cs.uiuc.edu, XP-002285169, published in ASPLOS X, 10-2002, Pgs. 18-29 **DATE CONSIDERED EXAMINER**

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